

CLAIMS

WHAT IS CLAIMED IS:

1. A press-contacting conductive terminal device, comprising:
 - 5 a non-conductive enclosure defining a cylindrically shaped through hole, a front end and a rear end of the through hole having a first opening and a second opening, respectively;
 - at least one contact member having a front end portion and a rear end portion, an outside diameter of the rear end portion being slightly larger than an outside diameter of
 - 10 the front portion, the rear end portion being slideably received in the through hole;
 - at least one resilient member, being received in the through hole, one end thereof abutting against the rear end portion of the contact member and causing the front end portion of the contact member to extend through the first opening and beyond a front end of the non-conductive enclosure, a stop portion placed on the first opening of the
 - 15 non conductive enclosure to prevent the rear end of the contact member from moving out of the through hole;
 - at least one base, including two side wings and a contact portion, the side wings extending together from the contact portion, the contact portion covering the second opening on the rear end of the through hole when the base is inserted into the rear end of
 - 20 the non conductive enclosure;
 - the rear end of the contact member located between the two side wings of the base with an outer wall of the rear end of the contact member sliding in continuous electrical contact with an inner wall of the two side wings.
- 25 2. A press-contacting conductive terminal device as claimed in claim 1, wherein the stop portion is integrally formed with the non-conductive enclosure.
3. A press-contacting conductive terminal device as claimed in claim 2 wherein the stop portion is an inner diameter of the first opening of the non conductive
- 30 housing being smaller than the outer diameter of the rear portion of the contact member

while the outer diameter of the front portion of the contact member is smaller than the inner diameter of the first opening.

4. A press-contacting conductive terminal device as claimed in claim 1,
5 wherein the non-conductive enclosure defines two slots, at two sides of the through hole, extending along an axial direction of the through hole, and adjacent to the second opening, each side wing of the base corresponding to and insertable into a respective inner slot.

10 5. A press-contacting conductive terminal device as claimed in claim 4, wherein two side wings of the base respectively form a plurality of interfering portions to be interferingly engaged within the slots.

6. A press-contacting conductive terminal device as claimed in claim 1,
15 wherein the two side wings extend from the first opening into the through hole a length at least as long as the rear end of the contact member slides within the through hole.

7. A press-contacting conductive terminal device as claimed in claim 1, wherein the resilient member is a spring.

AMENDED CLAIMS

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(1 page)]

CLAIMS:

1. A press-contacting conductive terminal device, comprising:

a non-conductive enclosure (10) defining a cylindrically shaped through hole (11), a front end and a rear end of the through hole having a first opening (111) and a second opening (112), respectively;

at least one contact member (30) having a front end portion (31) and a rear end portion (32), an outside diameter of the rear end portion being slightly larger than an outside diameter of the front portion, the rear end portion being slideably received in the through hole;

at least one resilient member (40), being received in the through hole (11), one end thereof abutting against the rear end portion (32) of the contact member (30) and causing the front end portion (31) of the contact member to extend through the first opening (111) and beyond a front end of the non-conductive enclosure (10), a stop portion (113) placed on the first opening (111) of the non conductive enclosure to prevent the rear end (32) of the contact member from moving out of the through hole (11);

at least one base (20), including two side wings (21) and a contact portion (22), the side wings extending together from the contact portion (22) and having a planar surface a portion of which is tangent to an inner surface of the cylindrically shaped through hole (11), the contact portion (22) completely covering the second opening (112) on the rear end of the through hole (11) when the base is inserted into the rear end of the non conductive enclosure;

the rear end (32) of the contact member (30) located between the two side wings (21) of the base with an outer wall of the rear end (32) of the contact member (30) sliding in continuous electrical contact with an inner wall of the two side wings (21).

2. A press-contacting conductive terminal device as claimed in claim 1, wherein the stop portion (113) is integrally formed with the non-conductive enclosure.

3. A press-contacting conductive terminal device as claimed in claim 2 wherein the stop portion (113) is an inner diameter of the first opening (111) of the non conductive housing (10) being smaller than the outer diameter of the rear portion (32) of the contact member (30) while the outer diameter of the front portion (31) of the contact member is smaller than the inner

diameter of the first opening.

4. A press-contacting conductive terminal device as claimed in claim 1, wherein the non-conductive enclosure (10) defines two slots (114), at two sides of the through hole, extending along an axial direction of the through hole, and adjacent to the second opening (112), each side wing (21) of the base (20) corresponding to and insertable into a respective inner slot (114).

5. A press-contacting conductive terminal device as claimed in claim 4, wherein two side wings (21) of the base (20) respectively form a plurality of interfering portions (23) to be interferingly engaged within the slots (114).

6. A press-contacting conductive terminal device as claimed in claim 1, wherein the two side wings (21) extend from the first opening (111) into the through hole a length at least as long as the rear end (32) of the contact member (30) slides within the through hole (11).

7. A press-contacting conductive terminal device as claimed in claim 1, wherein the resilient member (40) is a spring.